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› [TP-Link](#) /

› [TP-Link AC1900 Touch Screen Wi-Fi Gigabit Router User Manual](#)

TP-Link Router 2

TP-Link AC1900 Touch Screen Wi-Fi Gigabit Router User Manual

Model: Touch P5 (Router 2)

1. INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your TP-Link AC1900 Touch Screen Wi-Fi Gigabit Router, Model Touch P5. This high-performance router is designed to deliver fast and reliable wireless connectivity for your home or office network.

The Touch P5 features an intuitive touchscreen display for easy network management, dual-band Wi-Fi (AC1900) for seamless 4K HD video streaming and online gaming, and powerful antennas with Beamforming technology for extended coverage.

2. PACKAGE CONTENTS

Before you begin, please verify that all items are included in your package:

- TP-Link AC1900 Touch Screen Wi-Fi Gigabit Router (Touch P5)
- 3 Detachable Antennas
- Power Supply Unit
- Ethernet Cable
- Quick Installation Guide

3. HARDWARE OVERVIEW

Familiarize yourself with the router's physical components and ports.



Front view of the TP-Link AC1900 Touch Screen Wi-Fi Gigabit Router, showcasing its touchscreen display and three external antennas.



The TP-Link AC1900 router positioned in a living room environment, demonstrating its compact design next to a lamp and television.



Angled view of the TP-Link AC1900 router, highlighting the touchscreen interface and the sleek design of the device.

3.1. Front Panel

- **Touchscreen Display:** Provides an intuitive interface for setup and network management.
- **LED Indicators:** Display the status of power, internet connection, Wi-Fi bands, and USB ports.

3.2. Rear Panel

- **Power Port:** Connects to the power adapter.
- **Power On/Off Button:** Turns the router on or off.
- **WAN Port (Blue):** Connects to your modem for internet access.
- **LAN Ports (Yellow):** Four Gigabit Ethernet ports for wired connections to computers or other network devices.
- **USB 2.0 Port:** For connecting USB storage devices or printers.
- **WPS/Reset Button:** Press for WPS function; press and hold for factory reset.

4. SETUP GUIDE

Follow these steps to set up your TP-Link AC1900 Touch Screen Wi-Fi Gigabit Router.

4.1. Hardware Connection

1. **Power Off:** Disconnect the power from your modem and router (if any).
2. **Connect Antennas:** Screw the three detachable antennas firmly onto the connectors on the rear panel of the router.
3. **Connect Modem:** Connect one end of the Ethernet cable to the WAN port (blue) on your router and the other end to the Ethernet port on your modem.
4. **Power On Modem:** Power on your modem and wait for it to fully initialize (usually indicated by stable internet LED).
5. **Power On Router:** Connect the power adapter to the router's power port and plug it into a power outlet. Press the Power On/Off button.
6. **Wait for Initialization:** Wait approximately one minute for the router to boot up. The touchscreen display will activate.

4.2. Initial Configuration via Touchscreen

The Touch P5 router can be configured directly using its integrated touchscreen display.

1. **Start Setup:** On the touchscreen, tap "Quick Setup" or "Start" to begin the setup wizard.
2. **Internet Connection Type:** The router will attempt to detect your internet connection type (e.g., Dynamic IP, Static IP, PPPoE). Confirm or select the correct type.
3. **Wireless Settings:** Set your Wi-Fi Network Name (SSID) and Password for both 2.4GHz and 5GHz bands. It is recommended to use strong, unique passwords.
4. **Administrator Password:** Create a strong administrator password for accessing the router's settings. This is crucial for security.
5. **Review Settings:** Review the summary of your settings and confirm to apply them.
6. **Connect Devices:** Once the setup is complete, you can connect your wireless devices using the Wi-Fi name and password you just set.

4.3. Initial Configuration via Web Browser (Optional)

Alternatively, you can configure the router using a web browser from a connected computer.

1. **Connect Computer:** Connect your computer to one of the router's LAN ports (yellow) using an Ethernet cable, or connect wirelessly to the default Wi-Fi network (SSID and password are on the router's label).
2. **Access Web Interface:** Open a web browser and type `http://tplinkwifi.net` or `http://192.168.0.1` into the address bar.
3. **Login:** Create a new login password when prompted.
4. **Run Quick Setup:** Follow the on-screen Quick Setup wizard to configure your internet connection and wireless settings.

5. OPERATING YOUR ROUTER

The Touch P5 offers various features accessible via its touchscreen or web interface.

5.1. Touchscreen Operations

The touchscreen provides quick access to common functions:

- **Network Map:** View connected devices and network status.
- **Guest Network:** Enable/disable and manage a separate Wi-Fi network for guests.
- **Parental Controls:** Set time limits and content restrictions for specific devices.
- **Wi-Fi Settings:** Modify Wi-Fi name, password, and security settings.
- **USB Sharing:** Access files on connected USB storage devices.

5.2. Advanced Settings (Web Interface)

For more advanced configurations, use the web management interface.

- **QoS (Quality of Service):** Prioritize network traffic for specific applications or devices.
- **NAT Forwarding:** Configure Port Forwarding, Port Triggering, UPnP, and DMZ.
- **Security:** Firewall settings, Access Control, IP & MAC Binding.
- **System Tools:** Firmware upgrade, Backup & Restore, System Log, Time Settings.

6. MAINTENANCE

Regular maintenance ensures optimal performance and security of your router.

- **Firmware Updates:** Periodically check for and install the latest firmware from the TP-Link website. Firmware updates often include performance improvements, new features, and security patches.
- **Regular Reboot:** Rebooting the router every few weeks can help clear its memory and resolve minor performance issues.
- **Physical Cleaning:** Keep the router in a well-ventilated area. Gently clean dust from vents and surfaces using a soft, dry cloth.
- **Strong Passwords:** Regularly update your Wi-Fi and administrator passwords to strong, unique combinations.
- **Placement:** Place the router in a central location, away from obstructions and interference sources (e.g., microwaves, cordless phones) for optimal Wi-Fi coverage.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

7.1. No Internet Access

- **Check Cables:** Ensure all Ethernet cables are securely connected to the router and modem.
- **Modem Status:** Verify that your modem is working correctly and has an active internet connection.
- **Reboot Devices:** Power cycle your modem and then your router. Wait for each device to fully boot up.
- **WAN Connection Type:** Confirm the WAN connection type in the router's settings matches your ISP's requirements.

7.2. Poor Wi-Fi Signal or Slow Speed

- **Router Placement:** Move the router to a central location, away from walls, large metal objects, and other electronic devices that may cause interference.
- **Antenna Orientation:** Adjust the antennas for optimal signal strength.
- **Channel Interference:** Use the router's settings to change the Wi-Fi channel to a less congested one.
- **Band Selection:** For faster speeds, connect devices that support 5GHz to the 5GHz band.
- **Firmware:** Ensure your router's firmware is up to date.

7.3. Forgot Administrator Password

- **Factory Reset:** If you forget your administrator password, you will need to perform a factory reset. Locate the WPS/Reset button on the rear panel. With the router powered on, press and hold the button for approximately 10 seconds until the LEDs flash. The router will revert to factory default settings, and you will need to reconfigure it.

8. SPECIFICATIONS

Feature	Detail
Model Name	Touch P5 (Router 2)
Wireless Standard	IEEE 802.11ac/n/a 5 GHz, IEEE 802.11n/b/g 2.4 GHz
Wi-Fi Speeds	AC1900 (1300 Mbps on 5 GHz, 600 Mbps on 2.4 GHz)
Antennas	3 Detachable Antennas
Processor	1GHz Dual-Core Processor
Ethernet Ports	1x Gigabit WAN Port, 4x Gigabit LAN Ports
USB Ports	1x USB 2.0 Port
Dimensions (L x W x H)	6.2 x 11.2 x 2.1 inches
Operating System Compatibility	Windows 98SE/NT/2000/XP/Vista/7/8/8.1/10, Mac OS, NetWare, UNIX, Linux

9. WARRANTY AND SUPPORT

TP-Link products come with a limited warranty. For detailed warranty information, please refer to the official TP-Link website or the warranty card included with your product.

For technical support, firmware updates, and additional resources, please visit the official TP-Link support page:

[TP-Link Official Support](#)

You can also find user guides and manuals on the product's Amazon page or TP-Link's support site.